

**DECLARATION OF PERFORMANCE**

n. 10219-01072013-3

1. Unique product-type identification code:

profile	external dimensions	thicknesses	Steel grades:
Circular section	∅ 19 ÷ 355,6 mm	from 1,2 ÷ 16 mm	S235JRH-S275J0H-S275J2H-S355J0H-S355J2H-S355K2H-S275NH-S355NH-S460NH-S275NLH-S355NLH-S460NLH-S275MH-S355MH-S420MH-S460MH-S275MLH-S355MLH-S420MLH-S460MLH
Square section	90x90 ÷ 300x300 mm	from 3 ÷ 16 mm	
Rectangular section	100x80 ÷ 400x200 mm	from 3 ÷ 16 mm	

- 2. Expected Uses: *Cold profiled tubes of unalloyed steels and fine grain for welded structures*
- 3. Manufacturer: *Arvedi Tubi Acciaio Spa, via Acquaviva, 3 – 26100 CR - Italy*
- 4. Authorized representative: *Not applicable*
- 5. AVCP system: *system 2+*
- 6. Harmonized standard: *EN 10219-1:2006 – EN 10219-2:2006*  
Notified body: *Istituto Italiano di Garanzia della Qualità, 1608 CPR P064*

7. Declared performance:

	Circular section	Square / rectangular section	Harmonized technical specification	
Essential Feature	Declared performance		EN 10219-2	
External dimensions	+/-1% with min: +/-0.5mm	H,B<100 mm		+/-1% with min: +/-0.5mm
		100≤ H,B ≤ 200 mm		+/- 0.8%
		H,B>200 mm		+/- 0.6%
Thickness	+/- 10% with a maximum di +/- 0,5mm			
Ovality	2%			
Concavity / convexity	+/- 0,8%			
Angle between sides	90° +/-1°			
Edge radius		T≤ 6 mm		1.6xT<r≤2.4xT
		6<T≤10mm		2.0xT<r≤3.0xT
		T>10 mm		2.4xT<r≤3.6xT
Twist	2mm + 0.5mm/mt			
Straightness	2.0mm/m on total length and loc. ≤ 3mm/m	1,5 mm/m on total length and loc. ≤ 3mm/m		
Mass	+/- 6% (on the single tube)			

Steel	Essential Features							Weldability (CEV)	Durability	Harmonized technical specification	
	Elongation	Yield load	Breaking load T<3	Breaking load T>=3	Resilience KV (10 mm)						
					-50°C	-20°C	0° C				+20°C
%	MPa	MPa	MPa	J				%			
	Declared Performance										
S235JRH	24	235	360-510	360-510				27	0,35	If required, galvanized material	EN 10219-1
S275J0H	20	275	430-580	410-560			27		0,4		
S275J2H	20	275	430-580	410-560			27		0,4		
S355J0H	20	355	510-680	470-630			27		0,45		
S355J2H	20	355	510-680	470-630			27		0,45		
S355K2H	20	355	510-680	470-630			40		0,45		
S275NH	24	275	370-510				40		0,4		
S355NH	22	355	470-630				40		0,43		
S460NH	17	460	540-720				40		0,53		
S275NLH	24	275	370-510		27				0,4		
S355NLH	22	355	470-630		27				0,43		
S460NLH	17	460	540-720		27				0,53		
S275MH	24	275	360-510			40			0,34		
S355MH	22	355	450-610			40			0,39		
S420MH	19	420	500-660			40			0,43		
S460MH	17	460	530-720			40			0,46		
S275MLH	24	275	360-510		27				0,34		
S355MLH	22	355	450-610		27				0,39		
S420MLH	19	420	500-660		27				0,43		
S460MLH	17	460	530-720		27				0,46		



**Arvedi Tubi Acciaio S.p.A.**

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R.E.A. CR 90188  
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**Arvedi Tubi Acciaio** 

The performance of the product identified above is in conformity with the set of declared performance. This declaration of performance is issued in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

*NOTE: this declaration of performance is valid only if accompanied by the material test certificate.*

Signed for and on behalf of the manufacturer by:

Cremona, 07/06/2017

Noris Battocletti  
Quality Manager  


NOTE: this DoP is available online at the following link: <https://www.arvedi.it/ata/qualita-e-tecnologia/il-prodotto-lambiente-e-le-persone/>

